

SEMENOVSKY, A. V.

DISCUSSION

✓ Stark effect in electrophilic displacement reactions of aromatic hydrocarbons. I. N. Nazarov and A. V. Semenovskiy. Zh. Organicheskoi Khimii, No. 1, 1957, 840-844.
Akad. Nauk SSSR, Izdat. Akad. Nauk SSSR, 1957, 840-844.
The following proportions (%) of *o*- and *o*-isomers were secured after nitration and halogenation reaction of substituted benzenes. Nitration of MePh: 33.0% para, 12.5%; ortho: EtPh, 44.4 and 55.6; iso-PrPh, 60.5 and 39.5. Chlorination: MePh, 30 and 64; EtPh, 50 and 50; iso-PrPh, 63.2 and 36.8. Bromination: MePh, 53.5 and 41.5; EtPh, 82 and 16; iso-PrPh, 89 and 11. Iodination: MePh, 60 and 40; EtPh, 95 and 5; iso-PrPh, 100 and 0. Chloromethylation: MePh, 48.3 and 51.7; EtPh, 77.4 and 22.6; iso-PrPh, 87.3 and 12.8. Bromomethylation: MePh, 48.3 and 51.7; EtPh, 76.7 and 24.3; iso-PrPh, 89.7 and 8.3%. Nitrofins were run with mixed acid below 25-30° or with HNO_3 (d. 1.53) or with $Cu(NO_3)_2 \cdot Ac_2O$; halogenations run conventionally (iodinations in the presence of HNO_3 , d. 1.39), and the products identified in the form of carboxylic acids after oxidation of the side chains. G. M. K.

~~SEMENOVSKY, A. V.~~

Distr.: 4E4J/4E2c(j)

Mechanism of halomethylation reaction. I. N. Nazarov and A. V. Semenovskii (N. D. Zelinskii Inst. Org. Chem. Acad. Sci., U.S.S.R., Moscow), Izv. Akad. Nauk S.S.R., Otdel. Khim. Nauk 1957, 972-5. The following exptl. support is cited in favor of a mechanism of chloromethylation reactions in which CH_3O^- and HCl form HOCH_3^+ ion which attacks the aromatic nucleus yielding a benzyl alc. which then reacts with HCl to yield the CICH_3 deriv. Bromomethylation and chloromethylation of MePh, EtPh, and iso-PrPh give the same distribution of *o*- and *p*-isomers, which fact argues for a common mechanism of both reactions. Passage of HCl 14 hrs. into 30 g. paraformaldehyde and 90 ml. concd. HCl at 55-6° gave no CH_3Cl , and produced 3.7 g. $\text{O}(\text{CH}_3\text{Cl})_2$ which was condensed in a chilled trap. The mixt. treated with 69 g. MePh and kept 25 hrs. at 55-6° gave 73.7% $\text{CICH}_3\text{C}_6\text{H}_4\text{Me}$ isomers. Passage of dry HCl into 100 ml. CCl_4 , 15 g. paraformaldehyde, and 10 g. dry ZnCl_2 40 min. followed by addn. of 27 g. PhCH_2OH , stirring 8.5 hrs. at 50° with addn. of 10 g. ZnCl_2 , and washing with H_2O yielded 14.2 g. PhCH_2Cl and 0.1 g. o -xylene chloride, m. 97-9°, with 6 g. mixed *o*- and *p*-isomers. Passage of HCl 1 hr. into 200 ml. CCl_4 , 20 g. paraformaldehyde, and 20 g. ZnCl_2 1 hr. followed by 75 g. AcOCH_3Ph and stirring 3 hrs. at 50° gave after aq. treatment 76% PhCH_2Cl and a smaller amt. of *o*- and *p*-xylyne chlorides. Passage of HCl 24 hrs. into 20 g. paraformaldehyde, 90 ml. concd. HCl and 51.3 g. mixed isomeric xylynes obtained by hydrolysis of chloromethylation products of MePh gave after aq. treatment 86% unchanged CICH_3 compds.

G. M. Koslapoff

Distr: AFM//AE2c(j)

Preparative method of synthesis of nitriles with the application of acetone-cyanohydrin. I. N. Nazarov, A. V. Semenovskii, and A. V. Kamernitskii (N. D. Zelinskii Inst. Org. Chem., Acad. Sci. U.S.S.R., Moscow). 1957. *Zh. Akad. Nauk S.S.R., Otdel. Khim. Nauk* 1957, 970-9. Heating 54.5% PbO_2 , 42.5 g. MeC(OH)CN (I), 24 g. KOH and 10 ml. MeOH in an autoclave (he. at 100°) gave, after filtration and expt. with PtO_2 , 11% HCN . Similarly, refluxing 36 g. $\text{CH}_3\text{CHC}_2\text{H}_5$, 25.5 g. I, and 170 ml. 10% KOH in MeOH 3 hrs. gave 30% $\text{CH}_3\text{CHCH}_2\text{CN}$. In the same manner were obtained from corresponding halides the following nitriles: PhCH_2CN 65%; $\text{MeC}_2\text{H}_5\text{CH}_2\text{CN}$ 69%; $\text{EtC}_2\text{H}_5\text{CH}_2\text{CN}$ 80%; iso- $\text{PrCH}_2\text{CH}_2\text{CN}$ 90%; $\alpha\text{-NCCH}_2\text{CH}_2\text{CH}_2\text{CN}$ 78%; $\text{EtO}_2\text{CCH}_2\text{CH}_2\text{CN}$ 57%; $\text{FC}_2\text{H}_2\text{CH}_2\text{CN}$ 73%; $\beta\text{-ClC}_2\text{H}_5\text{CH}_2\text{CN}$ 77%; $\text{BiC}_2\text{H}_5\text{CH}_2\text{CN}$ 73%; $\text{IC}_2\text{H}_5\text{CH}_2\text{CN}$ 70%. The reaction is a general method for prepn. of benzyl cyanides in 65-85% yield. G. M. K.

SEMENOVSKY A. V.

Distr: 4E4

✓ Preparation of aromatic acids by oxidation of ~~other~~ chains
for aromatic compounds of the benzene series //

Nazarov and A. V. Semenovskii (M. D. Zemskii Inst. Chem., Moscow) - Russ. Akad. Nauk. Vses. Khim. Nauch.-Issled. Inst. Org. Khim. i Struk. Soedin. 1957, 11(1), 11-14. C.A. 51, 1617. Type

dations were run in a rotating autoclave with a mixed nitrotoluene and 30 ml. 20% HNO₃, 1.5 hr. at 200°. These conditions were used for oxidation of other substances, the acids being isolated by conventional crystallization. Thus were obtained: 75% nitrobenzoic acids from nitrotoluenes; 84% nitrobenzoic acids from nitroethylbenzenes; 57% nitrobenzoic acids from nitroisopropylbenzenes; 80% chlorobenzoic acids from chlorotoluenes; 77% chlorobenzoic acids from chloroethylbenzenes; 70% chlorobenzoic acids from chloroisopropylbenzenes; 75% bromobenzoic acids from bromotoluenes; 69% bromobenzoic acids from bromoethylbenzenes; 71% bromobenzoic acids from bromoisopropylbenzenes; 93% fluorobenzoic acids from fluorobenzyl chlorides; 85% chlorobenzoic acids from chlorobenzyl chlorides; 88% bromobenzoic acids from bromobenzyl chlorides; 61% benzenedicarboxylic acids from bromomethyltoluenes (81% from bromomethylethylbenzenes and 78% from bromomethylisopropylbenzenes). The starting materials were substances formed by nitration or halogenation of the appropriate hydrocarbons. G. M. Kiselev

SEME NOVSKIY, A.V.

AUTHORS:

Nazarov, I. N., and Semenovskiy, A. V.

62-1-14/21

TITLE:

About the Tendency of the Chloromethylation Reaction (O napravlennosti reaktsii khlormetilirovaniya)

PERIODICAL:

Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, 1957,
No. 1, pp. 100-111 (U.S.S.R.)

ABSTRACT:

Various types of aromatic compounds were investigated to determine the trend of the chloromethylation reaction. Employing the oxidation method, a structural analysis was made of the products obtained from chloromethylation of ethyl ester of phenylacetic acid benzyl chloride, ethyl benzene, cumene, tertiary butyl benzene and all four monohalide benzenes. All cases (with the exception of tertiary butyl benzene) showed the formation of mixtures of ortho-and para-isomers with a quantitative ratio depending to a large extent upon the nature of the substitute. The results obtained (with respect to the trend of the reaction) were found to be analogous with results obtained during

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About the Tendency of the Chloromethylation Reaction 62-1-14/21

nitration. It was observed that, during the chloromethylation of toluene, ethyl benzene, cumene (isopropyl benzene) and tertiary butyl benzene, the content of p-isomers increases gradually in the mixture, which is explained by the volumetric effect of the substitutes (steric factor). During the chloromethylation of benzene halides, the amount of para-isomers decreases slowly during the change from fluoro- to iodobenzene, which is determined by ionizing effect of the halogen atoms. It was concluded on the bases of obtained results that the chloromethylation reaction belongs to the electrophilic substitution type of reaction.

Tables. There are 15 references, of which 3 are Slavic

ASSOCIATION: Academy of Sciences of the USSR, Institute of Organic Chemistry
imeni N. D. Zelinskiy

PRESENTED BY:

SUBMITTED: April 6, 1956

AVAILABLE: Library of Congress
Card 2/2

SEMENOVSKIY, A.V.

NAZAROV, I.N.; SEMENOVSKIY, A.V.

Bromomethylation of aromatic hydrocarbons. Izv.AN SSSR. Otd.khim.
nauk no.2:212-216 F '57. (MLRA 10:4)

1. Institut organicheskoy khimii im. N.D. Zelinskogo Akademii
nauk SSSR.
(Hydrocarbons) (Ethylation)

SEMENOVSKII, A. V.
NAZAROV, I.N. [deceased]; *SEMENOVSKII, A. V.*

The mechanism of the haloidmethylation reaction. Izv. AN SSSR. Otd.
khim. nauk no.8:972-975 Ag '57. (MIRA 11:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Chemical reaction--Mechanism) (Methylation)

SEME NOVSKIY, A.V.
NAZAROV, I.N. [deceased]; SEMENOVSKIY, A.V.; KAMERNITSKIY, A.V.

Preparative method for the synthesis of nitriles using acetoncyano-
hydrin. Izv. AN SSSR. Otd. khim. nauk no.8:976-979 Ag '57.
(MIRA 11:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Isobutyronitrile) (Acetonitrile) (Toluene)

SEZERENOVSKY
NAZAROV, I.N.; SEMENOVSKY, A.V.

Preparation of aromatic acids by oxidation side chains of aromatic compounds with nitric acid. Report No.2: Izv. AN SSSR. Otd. khim. nauk no.9:1101-1104 S '57. (MIRA 10:12)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Aromatic compounds) (Nitric acid) (Oxidation)

SEMENOVSKIY, A.V.

NAZAROV, I.N.; SEMENOVSKIY, A.V.

Steric factor in electrophilic substitution reactions of aromatic hydrocarbons. Izv. AN SSSR Otd. khim. nauk no.10:1229-1234 O '57.
(MIRA 11:3)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
(Stereochemistry) (Substitution (Chemistry))
(Aromatic compounds)

5(3)
AUTHORS:Smit, V. A., Semenovskiy, A. V.,
Medvedeva, V. M., Kucherov, V. F.

SCV/20-124-5-33/62

TITLE:

On the Cyclization Character of the Pseudo-ionon (O kharaktere
tsiklizatsii psevdionona). A New Method of Producing the
 α -Ionon (Novyy metod polucheniya α -ionona)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 5, pp 1080-1082
(USSR)

ABSTRACT:

As has been proved in numerous publications (Refs 1-8), the pseudo-ionon is converted to a mixture of α - and β -ionon under the action of various acids. The ratio between the resulting α - and β -isomers depends on the nature of the cyclizing agent. For β -ionon concentrated sulphuric acid in ether or in acetic acid is the specific cyclizing agent whereas this role is played for α -ionon by 60 % sulphuric or phosphoric acid, preferably by boron trifluoride. The statements made in publications seem to indicate that the α -isomer forms the original reaction product almost in all cases independently of the nature of the agent (Refs 9-13) and can be converted to the stabler conjugated system of the β -isomer under the action of acid agents. Thus, the specific activity of various cyclizing agent is restricted

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On the Cyclization Character of the Pseudo-ionon.
A New Method of Producing the α -Ionon

SOV/20-124-5-33/62

to their greater or smaller ability of isomerizing the initially formed α -isomer. In order to give experimental proof of this assumption the authors have studied the cyclization of the pseudo-ionon by 100 % H_2SO_4 between +60° and -60°. Nitromethane or nitropropane were used as solvents. The distillate obtained in a vacuum was analyzed with the aid of its ultraviolet spectrum (obtained with the assistance of T. M. Fadeyeva) (Table 2). It is apparent from the results (Table 1) that the ratio between the α - and β -ionons formed is entirely determined by the cyclization conditions, namely, the residence time, temperature, and the amount of H_2SO_4 . This shows clearly that the primary process in the cyclization of the pseudo-ionon is the formation of the α -ionon. Depending on the conditions of the reaction this is more or less converted by isomerization to form the β -ionon. Thus, the reactions whereby these isomers are formed are sequential rather than parallel reactions. The specific character of the cyclizing agent is restricted to the degree of its isomerizing activity. The method described in the article makes possible a convenient preparation of both ionons and may prove

Card 2/3

On the Cyclization Character of the Pseudo-ionon.
A New Method of Producing the α -Ionon

SOV/20-124-5-33/62

valuable in the production of α -ionon. There are 2 tables
and 15 references, 1 of which is Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii
nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskogo
of the Academy of Sciences, USSR)

PRESENTED: October 30, 1958, by B. A. Kazanskiy, Academician

SUBMITTED: October 24, 1958

Card 3/3

KRASIL'NIKOVA, G.K., red.; KUGATOVA, G.P., red.; KUCHEROV, V.F.,
doktor khim. nauk, red.; LAUMYANSKAS, G., red.; PETRAUSKAS, V.,
red.; SELENOVSKII, A.V., red.; VENGRITE, T., red.; PERYAVICHYUS, A.,
tekhn. red.

[Chemistry of terpenes and terpenoids; papers presented at the
All-Union Conference on Problems in the Chemistry of Terpenes and
Terpenoids in Vilnius on June 4-6 1959] Trudy Vsesoiuznogo sove-
shchaniia po voprosam khimii terpenov i terpenoidov, Vil'nius, Gos.
izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1960. 247 p.
(MIRA 15:7)

1. Vsesoyuznoye soveshchaniye po voprosam khimii terpenov i ter-
penoidov, Vilnius, 1959. 2. Zaveduyushchiy sektorom Instituta khi-
mii i khimicheskoy tekhnologii Akademii nauk Litovskoy SSR (for
Kugatova).

(Terpenes) (Terpenoids)

SEMENOVSKIY, A.V.; SMIT, V.A.; KUCHEROV, V.F.

Mechanism of the cyclization of pseudoionone. Dokl. Akad. SSSR 132
no.5:1107-1110 Je '60. (MIRA 13:6)

1. Institut organicheskoy khimii im. N.D.Zelinskogo Akademii
nauk SSSR. Predstavлено академиком B.A.Kazanskim.
(Pseudoionone) (Cyclization)

SMIT, V.A.; SEMENOVSKIY, A.V.; KUCHEROV, V.F.

Regularities and the cyclization mechanism of isoprenoids.
Report No. 2: Cyclization of cis-and trans-geranylacetones.
Izv. AN SSSR.Otd. khim. nauk no.12:2193-2200 D '60. (MIRA 13:12)

1. Institut organicheskoy khimii im.N.D.Zelinskogo AN SSSR.
(Undecadienone) (Cyclization)

SEMENOVSKIY, A.V.

KUCHEROV, V. F., SMIT, V. A., SELENOVSK, A. V. (USSR)

"The Structural and Spatial Orientation of Cyclization
Reaction of Isoprenoid Compounds."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 August 1961

RUDENKO, B.A.; KUCHEROV, V.F.; SMIT, V.A.; SEMENOVSKIY, A.V.

Gas-liquid chromatography of isoprenoid compounds. Izv.
AN SSSR Otd.khim.nauk no.2:236-243 F '62. (MIRA 15:2)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Isoprenoids)
(Gas chromatography)

SMIT, V.A.; SEMENOVSKIY, A.V.; VLAD, P.F.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.4: Low temperature cyclization of geranic acid and its ester.

Izv. AN SSSR Otd.khim.nauk no.2:312-317 F '62.

(MIRA 15:2)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Geranic acid)
(Cyclization)

SMIT, V.A.; SEMENOVSKIY, A.V.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.5: Low tem-
perature cyclization geraniol acetate. Izv.AN SSSR.Otd.khim.-
nauk no.3:470-476 Mr '62. (MIRA 15:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Geraniol) (Cyclization)

SMIT, V.A.; SEMENOVSKIY, A.V.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.6: Conversions
of α - and β -cyclogeranic acids under the effect of sulfuric
acid. Izv.AN SSSR.Otd.khim.nauk no.3:477-484 Mr '62.
(MIRA 15:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cyclohexenecarboxylic acid) (Lactones)

SEMENOVSKIY, A.V.; SMIT, V.A.; KUCHEROV, V.F.

Configuration of -lactones formed during cyclization of
geranylacetic acid. Izv.AN SSSR.Otd.khim.nauk no.3:558-560
(MIRA 16:4)
Mr '63.

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Lactones) (Cyclohexene carboxylic acid)

SMIT, V.A.; SEMENOVSKIY, A.V.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.7: Low-temperature cyclization of dihydro- α -, dihydro- β -, and dihydro- γ -ionones.
Izv. AN SSSR. Ser.khim. no.9:1601-1607 S '63. (MIRA 16:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Ionone) (Cyclization)

SMIT, V.A.; SEMENOVSKIY, A.V.; KUCHEROV, V.F.

Dependence of the steric course of isoprenoid cyclization reaction
on the configuration of 6,7-double bond. Izv. AN SSSR. Ser.khim.
no.9:1702 S '63. (MIRA 16:9)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Isoprenoids) (Cyclization) (Double bonds)

SMIT, V.A.; SEMENOVSKIY, A.V.; RUDENKO, B.A.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No. 8: Mechanism of
the stereospecific cyclization of geranylacetone. Izv. AN SSSR
Ser. khim. no.10:1782-1789 O '63. (MIRA 17:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

KUCHEROV, V. F.; SEMENOVSKIY, A. V.; SMIT, V. A.

"A new route for the stereospecific cyclisation of isoprenoids."

Report presented for the 3rd Intl. Symposium on the Chemistry of
Natural Products (IUPAC), Kyoto, Japan, 12-18 April 1964.

SEMENOVSKIY, A.V.; SMIT, V.A.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.9: Stereospecific cyclization of geranylacetic acid, its methyl ester and monocyclic analogs. Izv. AN SSSR. Ser.khim. no.3:504-512 Mr '64.
(MIRA 17:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

SMIT, V.A.; SEMENOVSKIY, A.V.; BRUMOVLENSKAYA, I.I.; PORTNOVA, S.L.;
KUCHENOV, V.F.

Nonenzymatic stereospecific cyclization of isoprenoids. Dokl.
AN SSSR 160 no.4:849-852 F '65. (MIRA 18:2)

1. Submitted July 28, 1964.

SHEMENOVSKIY, A.V.; SHIT, A.; SHIROVA, T.N.; RUDENKOV, V.F.

Cyclization of geraniol and nerol ethers. Izv. Akad. SSSR, Ser.
khim. no.6:1068-1070 '65. (MIRA 18:6)

L. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

SEMENOVSKIY, A.V.; SMIT, V.A.; KUCHEROV, V.F.

New path of the stereospecific cyclization of isoprenoids. Dokl.
AN SSSR 160 no.5:1097-1100 F '65.

(MIRA 18:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR. Sub-
mitted July 28, 1964.

SMIT, V.A., SEMENOVSKIY, A.V.; CHERNOVA, T.N.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.10: Dependence of the structural course of cyclization reaction of isoprenoids on the configuration of 6,7-double bond. Izv. AN SSSR. Ser. khim. no.7:1229-1236 '65.
(MIRA 18:7)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

SEMENOVSKIY, A.V.; SMIT, V.A.; KUCHEROV, V.F.

Cyclization of isoprenoid compounds. Report No.11: Cyclization
of isomeric farnesenic esters and their monocyclic analogs.
Izv. AN SSSR Ser. khim. no.8:1424-1433 '65. (MIRA 18:9)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

SEMENOVSKY, K. P.

PA 27/49T46

USSR/Electricity
Dielectrics - High Frequencies
Drying

Nov 48

"Comment on Engineer A. A. Chizhunov's High-Frequency Installation for Drying of Dielectrics,"
K. P. Semenovskiy, Engr, 2 pp

"Elektrichestvo" No 11

Heated discussion on the relative cost of drying wood by steam or by high frequencies.

27/49T46

SEMENOVSKIY, L.A.; MUDRIK, V.I., kandidat tekhnicheskikh nauk.

Increasing the whiteness of paper. Bum.prom. 32 no.4:22-23 Ap '57.
(MIRA 10:7)

1. Glavnyy inzhener fabriki tekhnicheskikh bumag "Oktyabr'" (for
Semenovskiy). 2. Moskovskiy filial Gosudarstvennogo instituta
po proyektirovaniyu tsellyulozno-bumazhnoy promyshlennosti (for
Mudrik).

(Paper coatings)

SEMENOVSKY, L.A.

CHINA/Chemical Technology - Cellulose and Its Derivatives.
Paper.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 56109

Author : Semenovsky, L.A., Mudrik, V.I.

Inst :

Title : Improvement of Paper Whiteness.

Orig Pub : Tszaochzhi Gun-e, 1958, No 1, 41-42

Abstract : Translation, see: Ref Zhur. Khim., 1957, 59216

Card 1/1

Russia

46

ROZENSHTRAUKH, L.S.; SEMENOVSKIY, M.L.

Comparison of angio- and bronchographic data in the central form
of lung cancer. Vop. onk. 6 no. 10:46-51 0 '60. (MIRA 14:1)
(LUNGS—CANCER) (ANGIOGRAPHY) (BRONCHI—RADIOGRAPHY)

ROZENSHTRAUKH, L.S.; SEMENOVSKIY, M.L.

Comparison of angi- and bronchographic data in a peripheral form
of pulmonary cancer. Vop. onk. 6 no. 11:33-38 N '60. (MIRA 14:1)
(LUNGS—CANCER) (ANGIOGRAPHY)

SEMENOVSKIY, M.L. (Moskva, Luchnikov per., d.4, kv.10); KOSTASH, G.A.

Significance of selective angiography of the lungs in the evaluation
of operable possibilities in primary bronchial cancer. Vest. rent.
i rad. 35 no. 4:9-13 Jl-Ag '60. (MIRA 14:2)

1. Iz 2-y kafedry klinicheskoy khirurgii (zav. - prof. B.K. Osipov)
i 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof.
Yu.N. Sokolov) TSentral'nogo instituta usovershenstvovaniya vrachey
(direktor M.D. Kovrigina) na baze gorodskoy klinicheskoy bol'nitsy
No.50 (glavnnyy vrach N.P. Brusova).
(BRONCHI-CANCER) (ANGIOGRAPHY)

SEMENOVSKIY, M.L.

Angiography in primary cancer of the lungs. Khirurgija 26 no. 5:119-
124 My '60. (MIRA 14:1)

(LUNGS--CANCER) (ANGIOGRAPHY)

SEMENOVSKIY, M. L.

Cand Med Sci - (diss) "Angiography in cancer of the lung." Moscow, 1961. 18 pp; including cover; (State Scientific Research Roentgeno-Radiological Inst of the Ministry of Public Health RSFSR); 250 copies; price not given; (KL, 10-61 sup, 226)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547910008-6

SEMENOVSKIY, M.L.

Angiographic picture in atelectasis. Trudy TSIU 2:54-77 '61.
(MIRA 15:8)
(LUNGS--COLLAPSE) (ANGIOGRAPHY)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547910008-6"

SEMENOVSKIY, M.L.; RYAPOLOVA, M.D.; LITVAKOVSKAYA, G.A.

Selective angiography in central cancer of the lungs. Vest.
rent. i rad. 37 no.5:14-16 S-O '62 (MIRA 17:12)

1. Iz 2-y kafedry khirurgii (zaveduyushchiy - prof. B.K. Osipov)
i 2-y kafedry rentgenologii i meditsinskoy radiologii (zaveduyu-
shchiy - prof. Yu.N. Sokolov) TSentral'nogo instituta usovershen-
stvovaniya vrachey na baze Gorodskoy klinicheskoy bol'nitsy №.50
Moskvy (glavnnyy vrach N.P. Brusova). Adres avtora: Moskva,
Luchnikov pereulok, dom 4, kvartira 10.

GUREVICH, L. A. (Moskva, G-2, Karmanitskiy per., 3, kv. 3);
SEMELEVSKIY, M. L. (Moskva, TSentr, Luchnikov per., 4, kv. 10)

Possibilities of pneumomediastinography and angiography of the lungs in determining the operability of lung cancer. Vop. onk. 8 (MIRA 15:2) no. 1: 5-12 '62.

1. Iz 2-y kafedry rentgenologii (zav. - prof. Yu. N. Sokolov) i 2-y kafedry klinicheskoy khirurgii (zav. - prof. B. K. Osipov) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. - M. D. Kovrigina) na baze Moskovskoy gorodskoy bol'nitsy No. 50 (glav. vrach - N. P. Brusova)

(LUNGS-CANCER) (ANGIOGRAPHY)
(MEDIASTINUM-RADIOGRAPHY)

TSUKERMAN, G.I., starshiy nauchnyy sotrudnik; SEMENOVSKIY, M.L., kand.med.nauk.

Surgical treatment of acquired heart failures. Med. sestra 22.
no.1:19-24 Ja '63. (MIRA 16:7)

1. Iz Instituta serdechno-sosudistoy khirurgii AMN SSSR, Moskva.
(HEART—SURGERY)

ROZENSHTRAUKH, L.S., prof.; SEMENOVSKIY, M.L., kand.med. nauk

Comparative evaluation of contrast substances for angiography.
Vest. rent. i rad. 28 no.2:9-13 Mr-Ap'63. (MIRA 16:9)

1. Iz 2-y kafedry rentgenologii (zav. - prof. Yu.M. Sokolov) i
2-y kafedry khirurgii (zav. - prof. B.K. Osipov) TSentral'nogo
instituta usovershenstvovaniya vrachey (dir. M.D. Kovrigina).
(PULMONARY CIRCULATION) (ANGIOCARDIOGRAPHY)
(CONTRAST MEDIA)

OSIPOV, B.K., prof.; SEMENOVSKIY, M.L., kand. med. nauk

Diagnosis and surgical treatment of lung cancer. Trudy ISPIM
66:15-21 '64. (MIRA 13:5)

44197
S/109/62/007/012/017/021
D271/D308

94330

AUTHOR: Semenovskiy, V. K.

TITLE: Switching time of a tunnel diode when triggered by a voltage pulse with inclined front

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 12, 1962,
2092-2094

TEXT: Tunnel diode switching time is analyzed assuming that modulus of the mean negative diode impedance ρ_m and series resistance R are of the same order of magnitude, and that diode switching time and the rise time of the trigger pulse are comparable. The simplest possible bistable circuit is considered which consists of a trigger source, resistance R, stray inductance L and tunnel diode. Switching phenomena are analyzed on the basis of current-voltage characteristic approximated by rectilinear sections. ρ_m is taken as $\rho_m < 0.5 R$ and $L < 0.2 R^2 C$ where C is the total capacity across the junction. Approximate expressions are written out for times of the

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Switching time of ...

S/109/62/007/012/017/021
D271/D308

single parts of the switching process, in forward and reverse directions. The increase of L, within the limits of the above inequality, causes increased ringing and an insignificant increase in switching time. The rise time of the trigger pulse has little influence on the forward switching time, but, to a large extent, determines the return switching time. Experimental measurements of the front edge duration carried out on 10 diodes, with various values of ρ_m/R and L/R^2C showed good agreement with the theoretical results, the difference in switching times being no more than 10 - 30%. There are 3 figures.

SUBMITTED: January 10, 1962 (initially)
May 10, 1962 (after revision)

Card 2/2

AKULOV, I.I.; BARZHIN, V.Ya.; VALITOV, R.A.; GARMASH, Ye.N.;
KUCHIN, L.F.; NAYDEROV, V.Z.; PUTSENKO, V.V.;
SEMENOVSKIY, V.K.; SIMONOV, Yu.L.; TARASOV, V.L.;
TEREKHOV, N.K.; SHEVYRTALOV, Yu.B.; YUNDENKO, I.N.;
CHISTYAKOV, N.I., prof., otyv. red.; KOKOSOV, L.V., red.

[Theory and design of basic radio circuits using
transistors] Teoriia i raschet osnovnykh radiotekhniches-
skikh skhem na tranzistorakh. Moskva, Sviaz', 1964.
(MIRA 18:8)
454 p.

L 3859-66 EWT(1)/EWA(h)
ACCESSION NR: AP5018262

UR/0108/65/020/007/0050/0056
621.373

AUTHOR: Semenovskiy, V. K.

TITLE: Shaping high-repetition-rate short pulses by a transistorized blocking oscillator

25

SOURCE: Radiotekhnika, v. 20, no. 7, 1965, 50-56

TOPIC TAGS: blocking oscillator, nanosecond pulse

ABSTRACT: A simplified method for analyzing a transistorized blocking oscillator is proposed; transistor parameters for the oscillator equivalent circuit are obtained by averaging the transistor small-signal parameters within a certain section of its characteristic; the equivalent circuit is described by a fourth-order differential equation. This circuit comprises a "regenerator" and an "amplifier" which can be treated distinctly so that the circuit can be synthesized without resorting to numerical methods. Two modes of operation are considered:

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L 3859-66

ACCESSION NR: AP5018262

(1) Shaping the round- (or sharp-) top pulses and (2) Shaping the flat-top pulses. Pulse durations of 50-70 nsec for a P-403 transistor and 130-150 nsec for a P-402 transistor are dealt with; the latter case was an oscillographic verification of the method. In some cases, the new method permits estimating the possibility of shaping short pulses by transistorized devices and permits calculating the corresponding circuit with an allowance for all fundamental reactances of the transistor, load, and feedback. The working capacitance and inductance values used for calculating the above mode (1) of operation actually correspond to the maximum repetition rate. Orig. art. has: 5 figures and 32 formulas.

ASSOCIATION: none

SUBMITTED: 03Jul63

ENCL: 00

SUB CODE: EC

NO REF SOV: 004

OTHER: 000

Card 2/2

SEMENOVSKIY, V.N., prof., doktor tekhn. nauk.

British tools for rod bolting. Gor. zhur. no.6:35-38 Je '58.
(MIRA 11:6)

1. Leningradskiy gornyy institut.
(Great Britain--Mine roof bolting--Equipment and supplies)

Semenovkh - AP
KOGAN, A.B., professor; SEMENOVYKH, A.P.

Inherited reinforcement of conditioned reflexes in lower animals.
Priroda 44 no.9:110-111 S '55. (MLRA 8:11)

1. Rostovskiy gosudarstvennyy universitet imeni V.M.Molotova
(Conditioned response) (Inheritance of acquired characters)

SENENOVYKH, N.Y.

Work of collective farm veterinary feldsher A.V.Losev. Veterinariis
34 no.6:15-16 Je '57. (MLRA 10:7)
(Veterinary medicine)

SEMENOVYKH, N.Ye.

New type of animal feeding. Zhivotnovodstvo 24 no.5:86-89 My
'62. (MIRA 16:10)

SEMINOVYKH, N.Ye.

Prospects for the supply of veterinary and zootechnical equipment.
Veterinariia 41 no.1:92-95 Ja '65. (MIRA 18:2)

1. Zamestitel' upravlyayushchego Soyuznym trestom po snabzheniyu
sel'skogo khozyaystva veterinarno-zootehnicheskim oborudovaniyem,
instrumentariyem i medikamentami.

L 58022-65

ACCESSION NR: AR5000583

S/0271/64/00/009/B057/B058

681.142:62

SOURCE: Ref. zh. Avtomat., telemekh. i vychisl. tekhn. Sv. t., Abs. 9B341

AUTHOR: Iyubimov, E. V.; Genchikmakher, A. G.; Semenovskykh, V. F.

TITLE: Physical and mathematical simulation of an MG-set-motor-drive system with a dynamoelectric amplifier under the dynamic starting and stopping conditions

CITED SOURCE: Sb. dokl. Konferentsii po primeneniyu vychisl. tekhn. i sredstv avtomatiki. Perm', 1963, 39-48

TOPIC TAGS: MG set motor drive, dynamoelectric amplifier, motor starting simulation, motor stopping simulation

TRANSLATION: The method of mathematical simulation of electrical-machine automatic systems provides a rather complete picture of starting and stopping transients. In simulating the MG-set-motor-drive system (MGS) with a dynamoelectric amplifier (DEA), the parameters of an automatic control system were determined and used for setting up the equations describing transient phenomena. A scheme is presented of physical model which yields an excavator characteristic; it has generator-voltage and cutoff-system armature-current negative feedbacks; it also has a DEA-voltage correcting circuit. Oscillograms of starting and stopping transients in the system

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L 58822-65

ACCESSION NR: AR5000583

are shown. The mathematical simulation was performed with the following assumptions: the armature reaction in the DSA and the generator is nil; the DSA and the generator operate under unsaturated conditions; no inductance in the MBS armature circuit; leakage fluxes in all units are neglected; the flexibility of the entire actuating mechanism is concentrated in the rope. The equations describing the system dynamics under the above assumptions are presented, as is a structural diagram based on these equations. This structural diagram was used for setting up a mathematical simulator on an MN-7 outfit. Parameters and unit models are given; also the scales of variables and transfer ratios of computing amplifiers are given. The curves of speed and armature-circuit current during starting and stopping are shown. Comparison of these curves with the oscillograms taken from the real physical model shows that the model does reproduce the nature of starting transients; the current curves diverge in the amount of overshooting and in the period of oscillation; the regulation time in starting the physical and the mathematical models is the same. The agreement between the stopping-transient curve is satisfactory. The curves obtained from the model have almost the same period and damping decrement as the real curves. They diverge in the amplitude of oscillations: the speed oscillations generated by the model have a greater amplitude than that determined from the real curve, while the current curve is higher in its steady-state value. The model reproduces the process with an inferior performance as compared to the

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L 58822-65

ACCESSION NR: AR5000583

system. Six illustrations. Bibliography: 7 titles.

ENCL: 00

SUB CODE: EE

Card 3/3

SEMENOWICZ, JERZY

MIEDZIANOWSKI, Alfons; DORANTT, Stanislaw; SEMENOWICZ, Jerzy

Fetal death in diabetes. Gin. polska 28 no.2:167-172
Mar-Apr 57.

1. Z Oddzialow Wewnetrznego i Ginekologicznego Szpitala
Wojewodzkiego w Olsztynie Dyrektor: Z. Kozlowski Ordynator
Oddzialu Wewnetrznego: A. Miedzianowski Ordynator Oddzialu
Ginekologicznego: S. Dorantt. Adres: Dr. A. Miedzianowski,
Olsztyn, ul. Moniuszki 17 M. 5.

(FETUS
death caused by maternal diabetes (Pol))
(DIABETES MELLITUS, in pregn.
fetal death (Pol))
(PREGNANCY, in various dis.
diabetes mellitus, fetal death (Pol))

SEMENSKAYA, Ye.M.

740. Anemias in anemic conditions. I. M. Semenova
Soviet Union P. N. T. No. 244444, 1957, 10, 10. [1]
July 25, 1957. (Amr. No. 3711). In the measurement in
normal and pathological cases make possible the differentiation of
anemias due to Fe deficiency (microcytosis) or deficiency of anti-
anemic factor (macrocytosis). The regeneration of blood
is accompanied by increase in r.b.c. diameter. Involution of the
r.b.c. is associated with microcytosis and spherocytosis. Different
changes in diameter are possible in one and the same type of
anemia in different patients, and thus additional data are required
for diagnosis. The size of the r.b.c. varies according to the con-
ditions of its formation and the no. in the bone marrow and in the
circulating blood. The convalescence of the anemic patient is
accompanied by a change in the normocyte index. (Russian)

U.S. EDITION

SEMENSKAYA, Ye. M., Prof.; TOPURIYA, Sh. R., Prof.; TSVERAVA, Ye. N., Prof.
ZHGENTI, V. K., Prof. and KVALIASHVILI, A. A., Prof.

"The Clinical Aspects and Therapy of Radiation Sickness" a report presented at
the Transcaucasian Radiological Conference, Tbilisi, 26-31 Oct 55.

Sum. No. 1047, 31 Aug 56

~~SEMENSKAYA, Ye. M.; TQUPURIYA, Sh.R.~~

[Nerve control of blood formation] Nervnaya regulatsiya krovo-
tvoreniia. Tbilisi, Gruzmediz. 1955. 114 p. (MIRA 10:11)
(BLOOD)

ZHGENTI, B.K.; KVALIASHVILI, A.A.; SEMENSKAYA, Ye.M.; TOPURIYA, Sh.R.;
TSVERAVA, Ye.N.

Clinical aspects and therapy of radiation illness. Soob.AN Gruz.
(MLRA 9:2)
SSR 16 no.7:565-570 '55.

1.Deystvitel'nyy chlen AN Gruzinskoy SSR (for Zhgenti).2.Akademika
nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy
hirurgii i gematologii, Nauchno-issledovatel'skiy institut pere-
livaniya krvi GSSR i Tbilisskiy gosudarstvennyy meditsinskiy
institut.

(Radiation--Toxicology)

ZURABASHVILI, A.D., akademik; KVALIASHVILI, A.A.; SEMENSKAYA, Ye. M.;
HANEYSHVILLI, B.R.; SHANIDZE, V.S.; KANDELAKI, K.I.; MACHABELI,
M.I.; TORDIYA, M.V.

Effect produced on the organism by nonpenetrating cranial traumas
combined with radiation injury. Soob. AN Gruz. SSR 20 no. 4:497-
504 Ap '58. (MIRA 11:7)

1. AN GruzSSR (for Zurabashvili). 2. Tbilisskiy gosudarstvennyy
meditsinskiy institut.
(BRAIN CONCUSSION)
(X RAYS--PHYSIOLOGICAL EFFECTS)

SEMENSKAYA, Ye. M.

Blood coagulation system as understood at the present level of development of physiology and medicine. Soob. AN Gruz. SSR 22 no.3:361-368 Mr '59.

(MIRA 12:8)

I. AN GruzSSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavлено академиком K.D. Eristavi.
(BLOOD--COAGULATION)

SEMENSKAYA, Ye.M.; MACHABELI, M.S.

Determining the fibrinogen content of plasma on the basis of
refractometric factors. Soob.AN Gruz.SSR 23 no.1:93-97
Jl '59. (MIRA 13:1)

1. AN GruzSSR, Institut eksperimental'noy i klinicheskoy
khirurgii i gematologii, Tbilisi. Predstavлено академиком K.D.
Eristavi.

(FIBRINOGEN)

KIKNADZE, V.D.; GEDEVANISHVILI, D.M., red.; SEMENSKAYA, Ye.M., prof., red.; KANDELAKI, D.P., red. izd-va; GLONTI, N.G., tekhn. red.

[Materials for an investigation of the influence of the liver on the processes of hemopoiesis] Materialy k izucheniiu vliianiia pecheni na protsessy krovetvorenija. Tbilisi, Gos. izd-vo "Sabchota Sakartvelo," 1960. 77 p. (MIRA 14:7)

1. Chlen-korrespondent AN Gruzinskoy SSR (for Gedevanishvili)
(LIVER) (HEMOPOIETIC SYSTEM)

SIMENSKAYA, Ye.M.; ABAKELIYA, TS.I.; KIGURADZE, E.Sh.; IARIONOVA, N.G.

Producing experimental leukemia in rats and mice by means of 9,10-dimethyl-1,2-benzanthracene. Soob. AN Gruz.SSR 24 no.5:601-606 My '60.
(MIRA 13:8)

1. Institut eksperimental'noy i klinicheskoy khirurgii i hematologii
AN GruzSSR, Tbilisi. Predstavлено академиком K.D. Fristavi.
(BENZANTHRACENE) (LEUKEMIA)

MACHABELI, M.S.; SEMENSKAYA, Ye.M., red.; YANKOSHVILI, TS.A., red.
izd-va; BOKERIYA, N.B., tekhn. red.

[Problems in the clinical study of coagulation] Voprosy klinicheskoi koagulologii. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR,
1962. 294 p. (MIRA 15:12)

(BLOOD--COAGULATION)

ZHVANIYA, T.O., zasl. deyatel' nauk, prof.; SEMENSKAYA, Ye.M., red.;
YANKOSHVILLI, TS.A., red. izd-va; BOKERIA, E.B., tekhn. red.

[Blood transfusion reactions and complications caused by the
transfusion of bacterially contaminated blood, their prevention
and treatment] Gemotransfuzionnye reaktsii i oslozhneniya, vyz-
vannye perelivaniem bakterial'no-zagriaznennoi krovi, ikh profi-
laktika i lechenie. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR,
1961. 87 p. (MIRA 15:12)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gema-
tologii Akademii nauk Gruzinskoy SSR (for Zhvaniya).
(BLOOD—TRANSFUSION)

MACHABELI, Mariya Semenovna, kand. med. nauk, starshiy nauchnyy sotr.;
SEMENSKAYA, Ye.M., red.; YANKOSHVILI, TS.A., red.izd-va;
DZHAPARIDZE, N.A., tekhn. red.

[Blood coagulation system] Sistema svertyvaniia krovi. Tbilisi,
Izd-vo Akad. nauk Gruzinskoi SSR, 1961. 274 p.
(MIRA 15:8)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii
Akademii nauk Gruzinskoy SSR (for Machabeli).
(BLOOD—COAGULATION)

MACHABELI, Mariya Semenovna, starshiy nauchnyy sotr., kand. med. nauk;
SEMENSKAYA, Ye.M., red.; AVALIANI, N.M., red. izd-va; TODUA,
A.R., tekhn. red.

[Theory of the coagulation of the blood; essays on the history
of the problem and some clinical methods] Teoriia svertyvaniia
krovi; ocherki po istorii voprosa i nekotorye klinicheskie me-
tody. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR, 1960. 142 p.
(MIRA 15:1)

I. Institut eksperimental'noy kliniki khirurgii i gematologii
AN Gruzinskoy SSR (for Machabeli).
(BLOOD—COAGULATION)

SEMENSKAYA, Ye.M.: DZHIBADZE, N.V., TS.NTC. N.Y., N.Y.

Changes in the blood picture in thyrotoxicosis treated with radioactive iodine. Trudy Inst. eksp. i klin. khir. i genet. All. Gruz. SSR 11:87-90 '63. (VIRB 17:8)

SEMENSKAYA, Ye.M.; ABAKELIYA, TS.I.; LARIONOVA, N.G.; KIGURATZE, E.Sh.

Producing an experimental leukemia model in mice. Trudy Inst.
eksp. i klin. khir. i gemat. AN Gruz. SSR 11:151-154 '63.
(MIRA 17:8)

SEMENSKAYA, Ye.M.; FRIDMAN, I.M.

Karier-Rustitskii's disease. Trudy Inst. eksp. i klin. khir.
i gemat. AN SSSR 11:155-162 '63. (MIRA 17:8)

SEMENSKAYA, Ye.M.; ABAKELIYA, TS. I.; LARIONOVA, N.G.; TSOMAYA, I.S.

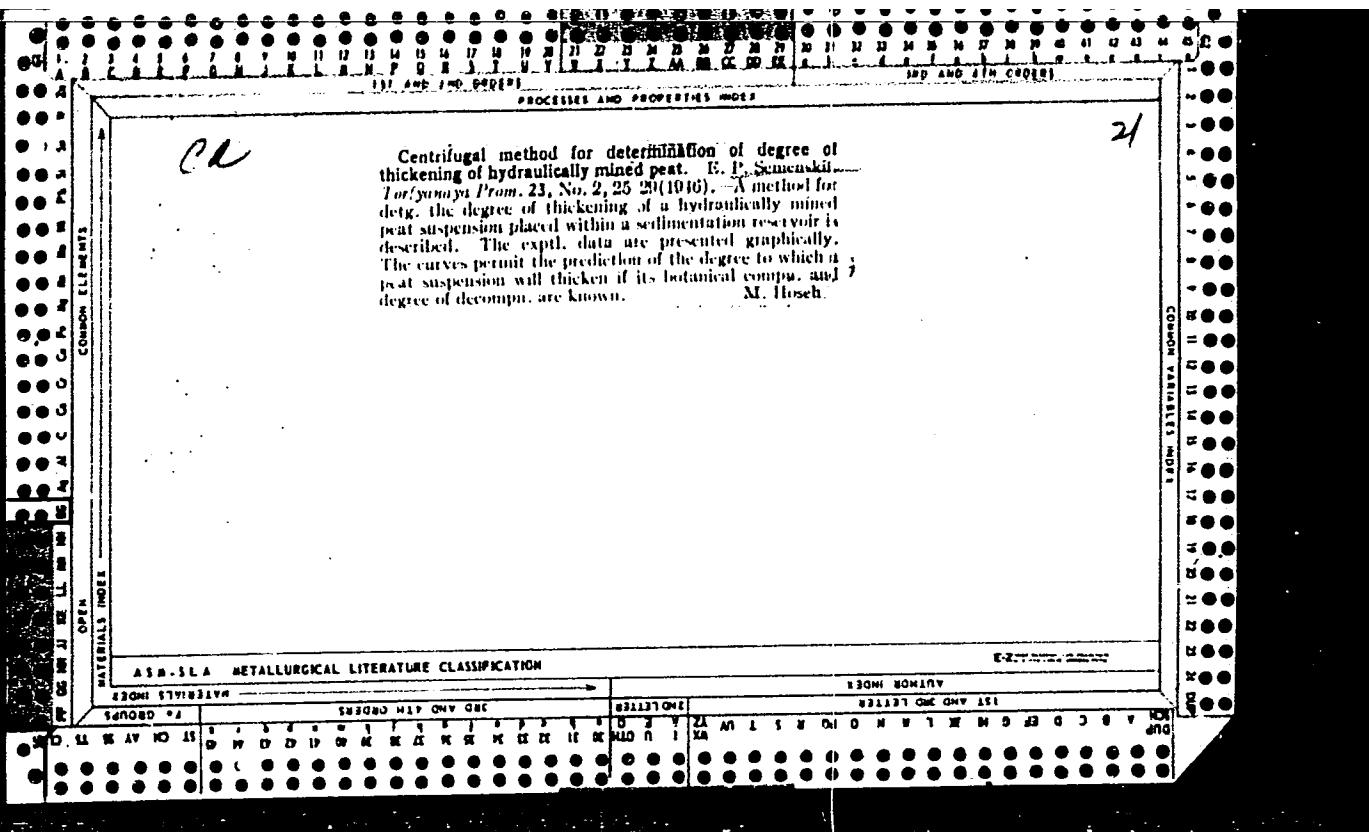
Effect of some vitamins on the development and course of
experimental leucosis in mice. Soob. AN Gruz. SSR 33 no. 2:
461-468 F '64. (MIRA 17:9)

SELENSKIY, Kirill Pavlovich.

Ch. Engr., Sci. Res. Lab. Sov. Electrification of Construction, Central Electric Assembly, -1947-49-. "Drying and Preserving Lumber by High Frequency Currents," Prom. Energet., Nos. 11-12, 1947; "Features of Heating and Drying Wood in the Field of High-Frequency Currents," Stroitel'. Prom., 20, No. 1, 1948. Mbr., VNORIE, -1950.

SEMONSKIY, Ye. P.

"Determination of the Velocity Profile in the Flow of Peat along Pipes 570 mm in
Diameter," Zhur. Tekh. Fiz., 14, Nos. 7-8, 1944. Mbr., Chair Physics, Moscow
Peat-Bog Inst., -1941-.

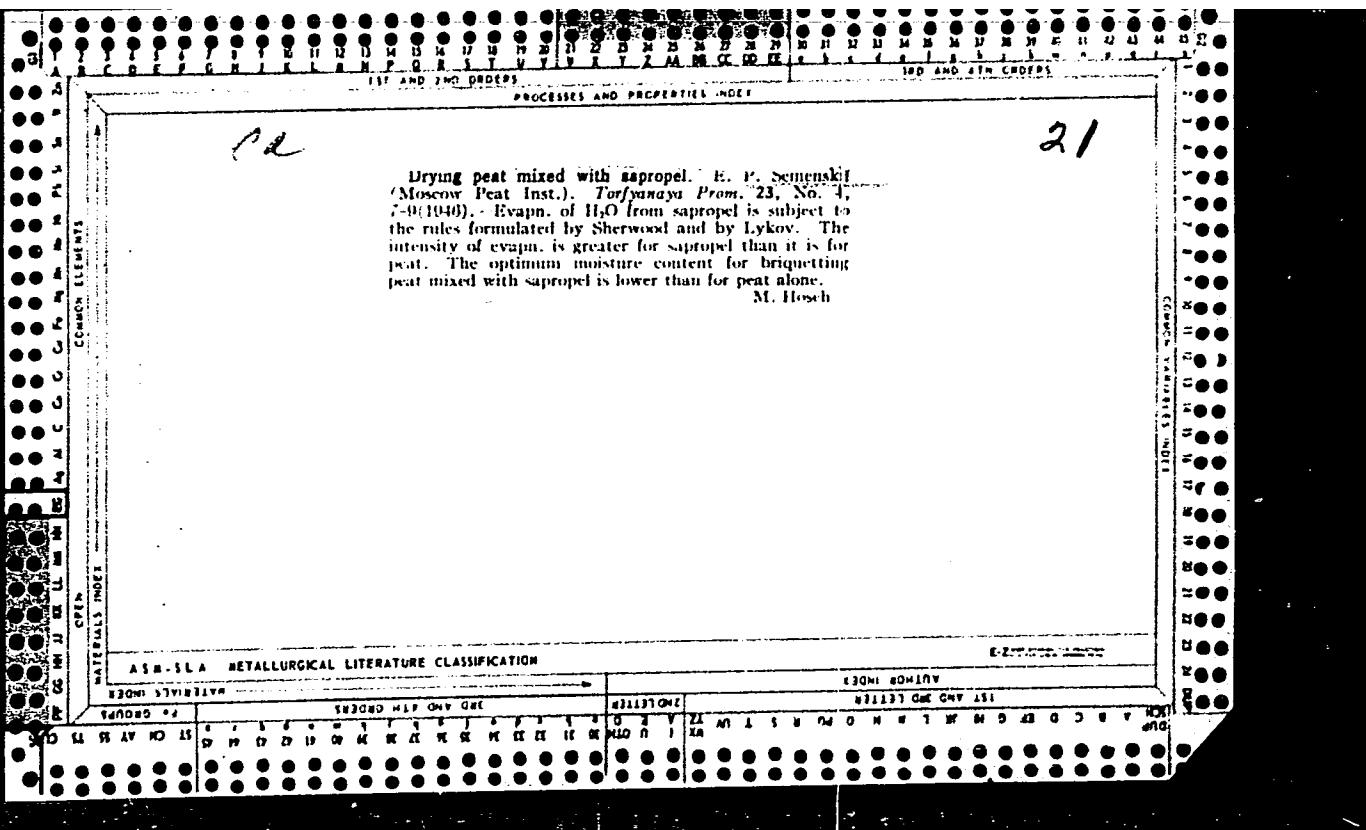


Qualitative characteristics of sapropel. E. P. Semen-skii (Moskovskii Tsvetnoy Inst.). *Tsvetnoy Prom.* 23, No. 3, 19-23 (1946).—Sapropel is a potential fuel which can be used either by itself or mixed with peat. The ash content of sapropel varies. Sapropel from the Leningrad, Ivanov, and Kalinin regions contains an av. of 43.5 and sapropel from the Urals an av. of 29% based on dry matter. The moisture content of sapropel varies from 70 to 90% and more, depending on its age and depth. The chem. compn. was not studied exhaustively. Generally, it contains less C and more H, N, and S than peat. The viscosity of sapropel depends on its content of dry matter. The sp. gr. of the solids detd., on a no. of samples was 1.52-1.60, and the vol.-wt. approx. 1.0. Admixing sapropel with peat reduced the moisture-holding capacity and raised the strength of the mixt. as compared with peat alone. The av. value of moisture and ash free sapropel was 3007 cal. Free sedimentation of sapropel proceeds slowly at first but then becomes faster than that of peat. M. Hosch

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"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001547910008-6

SOMOVICH, YE. P.

"Spherical Peat," Torf. Prom., No. 4, 1948. Cand. Tech. Sci.

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10

L2

3036 "Tekhnicheskii Analiz s Torfu" (Technical Analysis
of Peat). E. P. Semenov. 171 pages. 1959. State Publishing
House for Power Engineering Literature, Moscow and Leningrad,
U.S.S.R. (TN840.B9.5521)
Presents methods of laboratory investigation and describes
methods of investigating of thermal and physical-mechanical
properties of peat. Diagrams, tables, and graphs.

F

A

3562. MACHINES FOR LAYER STACKING OR CUTTING OF PEAT MDK.
/Sverdinskii, Z.F. (Mechanizatsiya Trud. i Tyazhel. Rabot (Mechanization
of Arduous Work), Mar. 1951, 43, '4).

SEMENKIV, YU.P.

Chemical 148

1-15-54

Julia + carbonization
process

Relationship between some of the physical properties of peat and its dispersion. E. P. Schenskii. *Torfyanaya Prom.* 30, No. 7, 20-21 (1953).—Phys. properties of peat depend principally on its particle size distribution, which can be dectd. by elutriation and sedimentation, and which are directly related to the bulk weight of air-dried peat, its water absorption, and the viscosity of its water suspension.

W. M. Sternberg

SEMENSKIY, Ye.P., kandidat tekhnicheskikh nauk; BERESNEVICH, V.V.

Mechanization of cut-peat sampling in quality determination at transhipment
stations. Torf.prom. vol. 30 no.11:14-17 N-D '53. (MLRA 6:11)

1. Moskovskiy torfyanoj institut (for Semenskiy). 2. Glavnaya inspeksiya
po kachestvu torfa (for Beresnevich). (Peat industry)

BORISOV,A.I., inzhener; NAUMOVA,M.F., inzhener; ROGATKIN,N.S.,
kandidat tekhnicheskikh nauk; SEMENSKIY,Ye.P., kandidat
tekhnicheskikh nauk

Mechanizing the selection and preparation of cut peat samples
on a TP type peat loader. Torf.prom.32 no.5:20-21 '55.
(MLRA 8:10)

1. Moskovskiy torfyanoy institut
(Peat machinery)

SEMENSKIY, Yevgeniy Petrovich; VOLOTSKOV, S.I., red.; VORONIN, K.P., tekhn.
red.

[Analysis of peat] Tekhnicheskii analiz torfa. Moskva, Gos. energ.
izd-vo, 1958. 191 p. (MIRA 11:7)
(Peat--Analysis)

SEMENSKIY YE. P.

ANTONOV, V.Ya., dotsent, kand.tekhn.nauk; BELOVIDOV, I.D., dotsent, kand. tekhn.nauk; BELOKOPYTOV, I.Ye., dotsent, kand.sel'skokhoz.nauk; GORYACHKIN, V.G., prof., doktor.tekhn.nauk; ZYUZIN, V.A., starshiy prepodavatel'; SEMENSKIY, Ye.P., dotsent, kand.tekhn.nauk; CHULIUKOV, M.A., dotsent, kand.tekhn.nauk; VARENTSOV, V.S., dotsent, kand. tekhn.nauk, red.; BORUNOV, N.I., tekhn.red.

[General course in the technology of peat winning] Obshchii kurs tekhnologii torfodobyvaniia. Moskva, Gos.energ.izd-vo, 1959. 339 p.
(MIRA 13:2)

1. Chlen-korrespondent AN BSSR (for Goryachkin).
(Peat industry)

VARENTSOV, Vladimir Semenovich, dots.; LAZAREV, Aleksandr Vasil'yevich, dots.; BRAGIN, N.A., inzh., retsenzent; AKSENOV, Ye.A., dots., retsenzent; VASIL'YEV, A.M., dots., retsenzent; NIKIFOROV, V.A., dots., retsenzent; PIMENOV, M.P., dots., retsenzent; SHADURSKIY, P.A., dots., retsenzent; SEMENSKIY, Ye.P., dots., retsenzent; FRIDKIN, L.M., tekhn. red.

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(MIRA 15:12)

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ABKHAZI, V.I.; ANTONOV, V.Ya.; BLYUMENBERG, V.V.; VARENTSOV, V.S.;
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SEMENTIN, N.

For technical improvement in industry. Sov. profsoiuzy 3 no.10:
27-31 0 '55. (MLRA 9:1)

1.Predsedatel' komiteta profsoyuza zaveda "Azovstal'".
(Zhdanov--Steel industry)

SEMENTIN, N.; TERENT'YEVA, T., doverenyy vrach; GONTAR', I., pomoshchnik stalevara; BUKHALO, I., slesar', strakhovoy delegat; KOVALEVSKAYA, Z., portnikha po remontu spetsodezhdy, strakhovoy delegat; SHITUNOV, L., kontroler; CHAYKA, M., inzh., strakhovoy delegat; KOZHEMYAKIN, P., normirovshchik; ALAKOZOVA, L., fel'dsher; TSOLOLO, F., slesar'
Let's have more of active initiative and interest. Okhr. truda i
sots. strakh. no.2:9-10 Ag '58. (MIRA 12:1)

1.Strakhovoy aktiv Zhdanovskogo metallurgicheskogo zavoda "Azovstal'" (for all). 2.Predsedatel' zavkoma profsoyuza zavoda "Azovstal'" (for Sementin). 3. Chlen komiteta martenovskogo tsekh zavoda "Azovstal'" (for Gontar'). 4.Mekhanicheskiy tsekh zavoda "Azovstal'" (for Bukhalo). 5.Predsedatel' mestnogo komiteta medsanchasti zavoda "Azovstal'" (for Kovalevskaya). 6.Rel'so-balochnyy tsekh zavoda Azovstal'" (for Kutsevale). 7.Utdel tekhnicheskogo kontrolya liteynogo tsekh i chlen komissii zavkoma po sotsial'nomu strakhovaniyu zavoda "Azovstal'" (for Shitunov) 8.Bomennyy tsekh zavoda "Azovstal'" (for Chayka). 9.Zamestitel' predsedatelya tsekhovogo komiteta mekhanicheskogo tsekh No.1 zavoda "Azovstal'" (for Kozhemeyakin). 10.Medsanchast' zavoda "Azovstal'" i chlen komiteta zavodskoy organizatsii Krasnogor Kresta (for Alakezeva). 11.Predsedatel' komissii po sotsial'nomu strakhovaniyu tsekh blyuming zavoda "Azovstal'" (for TSolelo).

(INDUSTRIAL HYGIENE)

SEMENTIN, N.; TERENT'YEVA, T., doverennyj vrach.

Guarding the health of metalworkers. Okhr. truda i sets. strakh.
no.2:28-36 Ag '58. (MIRA 12:1)

1. Predsedatel' zavkoma prefsoyza zhdanovskogo metallurgicheskogo
zavoda "Azovstal!"
(Industrial hygiene)

L 02340-67 EWT(1) GW

ACC NR: AR6029448

SOURCE CODE: UR/0169/66/000/005/B038/B039

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12

AUTHOR: Koshinskiy, S. D.; Sementinova, N. B.

TITLE: Quantitative evaluation of the effect of the topography on the wind condition at the observation points

SOURCE: Ref. zh. Geofizika, Abs. 5B261

REF SOURCE: [Tr.] Novosib. fil. N.-i. in-ta aeroklimatol, vyp. 1, 1965, 93-103

TOPIC TAGS: wind, wind direction, topography, wind velocity

ABSTRACT: During the preparation of "A manual on the climate of the USSR, Ch. III: Wind," it was necessary to evaluate the degree of weather-vane opening at each station to obtain representative values of the wind observations. This value is obtained by the technique developed by Milevskiy. The authors offer a critical review of the classifications of the weather-vane positions by Podtyagin, Saposhnikova and Milevskiy and arrive at the conclusion that the effect of topography on the wind conditions at observation points is more suitably determined by the Saposhnikova method. The authors proposed the shield parameter W and a parameter of daily amplitude of the wind velocity:

$$A_v \cdot W = V_{\text{annual}} / V_{\text{given location}}$$

UDC: 551.553

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ACC NR: AR6029448

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to express the ratio of the actural mean annual velocity of the wind to the background in a given location and

$$A_v = \overline{V}_{13} / \overline{V}_{01}$$

to express the ratio of the mean velocity in 13 hours to the mean velocity in 1 hour. A statistical relationship was established between W and A_v . The authors propose to obtain the value for the effect of the area surrounding the station on the weather-vane reading by using the 4-point scale proposed by Saposnikova, with a supplementary indicator giving the exact quarter of the horizon in which the obstacles are located with respect to the location of the weather vane. The appendix of the article contains given values of the mean annual and July (01—13 hours) wind velocities, the shield parameter, the coefficient of daily variation, and the type of weather-vane shielding for several stations in West Siberia. A. Artanova. [Translation of abstract]

SUB CODE: 04/

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